

**ABSTRACT OF THE DISCLOSURE**

1           A power train for a motor vehicle includes a combustion  
2 engine, a clutch or other torque-coupling device, a  
3 transmission, and an electro-mechanical energy converter that is  
4 operable at least as a motor and as a generator. The electro-  
5 mechanical energy converter is coupled to the output shaft of  
6 the combustion engine through a torque transfer device with at  
7 least two rpm ratios that automatically set themselves according  
8 to whether the vehicle is operating in a start-up mode or in a  
9 driving mode.